Submarine Steam Navigation.—Dr. Payerne, says a contemporary, has constructed a submarine iron boat, on the screw principle, measuring 27 feet long and 9½ feet wide, which, according to M. Lamiral, his manager, perfectly accomplishes the purposes for which it was intended, by—1. Alimentation of vital air constantly made under water, without any communication with the atmosphere above water. 2. Direct contact of the screw with the water at any depth, down to 150 feet. The alimentation of air is made by a double process, mechanical and chemical, which maintains, almost without expense, the air perfectly pure and respirable in all hermetical places, such as diving-bells, submarine vessels, ships' holds, mines, &c. The apparent impossibility of maintaining under water a furnace with a current of air is completely conquered by chemistry in its pyrotechnical branch: a certain fuel is consumed in a hermetical furnace, and generates steam in the boilers. Favourable reports of this invention have been made by some of the most eminent men of science, and the Minister of Public Works has appointed a commission to report upon it.

Renovations in Banwell Church, Somerset.—Besides some recent works, especially in the chancel, there are now no less than eleven stained glass windows in church and chancel. Seats have been erected in the chancel by the Rev. Chancellor Law and Mr. Emery; but for the erection of the windows, the parish are mainly indebted to the vicar, the Rev. W. H. Turner. Three of the windows are obituary memorials,—the east, of the late bishop, and chiefly containing figures of the Evangelists and Apostles, with embellishments,—the other two, of relatives of Chancellor Law, the one to the north side of the church representing the woman of Samaria at the well, and the other, on the south side, the woman kissing the hem of our Saviour's garment. The memorial windows and the adoption of the old glass are the work of Mr. Warrington, a design by whom has been prepared to embellish the roof. The other stained windows and the fixing of the whole were gratuitously executed by Mr. Trickey, of Banwell.

Wages in South Australia.—For the quarter ending June 30, 1850, according to the *Adelaide Times*, the following were average wages:—blacksmiths, 6s. per day; bricklayers, 6s; brickmakers, 2*l*. per 1,000; carpenters, 7s. per day; cabinet makers, 7s.; day labourers, 4s.; masons, 7s.; painters and glaziers, 4s. 6d.; plasterers, 5s. 6d.; sawyers, 9s. per 100 feet,—all without board or lodging.

Fall of Houses, Gray's-inn-lane.—A correspondent, relative to a fall of two old houses recently in Gray's-inn-lane, complains that the district surveyors are lax in adopting measures to obtain the removal of dangerous buildings. The public must be protected, it is true, but if the writer reflect on the loss, often ruin, caused to individuals by the condemnation of their property, he would see a good reason for hesitation on the part of the surveyors.

Proposed New Omnibus Route.—At the present moment, amid the elaborate preparations for the Great Exhibition, it may not be inopportune to bring forward the following suggestions, viz.:—That a distinct and independent omnibus route be formed of the line of road from Hyde-park-corner direct over Vauxhall-bridge, through Kennington, Camberwell, Peckham, and New Cross, to the point where the Dover-road is intersected by that between Greenwich and Lewisham. Any one on glancing at the map will see the great utility of this, not merely for visitors to the Exhibition (destined to be of transient duration), but as creating a permanent link between many populous districts and numerous lines of conveyance,—omnibuses, steamboats, and railways: not less than *three* railway stations would be passed. Permit me to add, by way of contrast and encouragement, that on the northern side of the Thames, a deficiency, parallel with the one I would have remedied on the southern, has been at last supplied by that profitable "omnibus line," the East and West India Docks Railway. Fill-oap.

The Russell Institution.—The third *soirée* for the season took place on Wednesday evening, when Professor Donaldson gave a lecture on "Egyptian Architecture," which afforded general satisfaction to a crowded assembly. The tables of the principal room were covered with choice illustrated books on the architecture of Egypt and Greece, interspersed with curious illuminated missals, &c. Sir Charles Fellowes, who was present, exhibited three models of Lycian tombs, and another of the Trophy Monument at Xanthus, the remains of which are in the British Museum. Among the other objects exhibited were some fine specimens of natural history, designs for tapestry, &c.

The Interments Act.—The hitch in the progress of this measure appears to be caused by the difficulty of arranging with the various cemetery companies. The Board of Health should no longer hesitate to adopt the course pointed out by the Act in this respect.

St. Pancras Church Extension.—The Duke of Bedford has presented to the Church Extension Committee of St. Pancras, a site of ground for a new church, with 500*l*. towards the building fund. The church will be erected in the new district of St. Matthew.

Sewers: Sad Work.—A list of tenders for building about 3,280 feet lineal of half-brick sewer, 3 feet 9 inches by 2 feet 3 inches; 200 feet 12-inch stoneware pipe sewer; and 8,000 feet 6-inch pipe drain, for the St. Pancras, &c. Benefit Building and Freehold Land Society, on their new estate called "Longlands," near the Holloway-road:—

J. Gibbs	£1,995	0	0
Pope and Green	1,947	0	0
S. Bowers	1,891	0	0
W. Smith	1,850	0	0
J. Eldred	1,797	0	0
J. Wood	1,776	10	0
J. Salter	1,650	0	0
E. Murray	1,648	10	0
Jarvis	1,642	13	0
Mason and Gent	1,451	0	0
W. Hill	1,428	0	0
Rogers and Radley	1,229	0	0
R. Betterbury	1,184	0	0
C. Garrett	964	0	0

The work to be kept in repair twelve months.

TENDERS.

Tenders for re-building Messrs. Wetherley's Paper Mills at Chartham, near Canterbury, recently destroyed by fire:—

Carpenters', Bricklayers', and Masons' Work.

Smith	£5,530	0	0
Gambier	5,048	0	0
Cosens	4,995	0	0
Wilson	4,895	0	0
Geary	4,880	0	0
Fry	4,844	0	0
Ayers	4,482	0	0
Lancefield	4,435	0	0
Saff	4,372	0	0
Pollas and Co.	4,166	0	0
Porter	4,182	0	0
Lock and Co.	4,108	0	0
Punnett (accepted)	4,029	0	0

Smith's Work.

Wood	£722	0	0
Geary	647	0	0
Porter	699	0	0
Weir	695	0	0
Pollock	464	0	0
Lancefield	446	0	0
Mackney	395	0	0
Peel	376	0	0
Lock and Co.	350	0	0
Drury and Co. (accepted)	350	0	0

Tenders for St. Mark's new church, Regent's-park. Mr. Little, architect. Quantities furnished:—

Dove	£8,675	0	0
Pollock and M'Lennen	8,038	0	0
T. Burton	8,000	0	0
Locke and Nesham	7,779	0	0
Betterbury	7,604	0	0
W. Higgs	7,379	0	0
Piper	8,383	0	0
Rigby	8,716	0	0
T. Anson	8,650	0	0
Myers	8,548	0	0
Holland	8,369	0	0

Tenders for building ten new almshouses at Richmond, with boundary walls, for the trustees of Bishop Duppas's Almshouses. Mr. Little, architect:—

Grimsdell	£2,314	0	0
W. Long (Richmond)	2,135	0	0
Burton	2,018	0	0
Holland	1,995	0	0
Mansfield	1,994	0	0
Sweet (Richmond)	1,917	0	0
Brewer "	1,876	8	0
Carlese "	1,879	0	0
Thos. Long and Son	1,815	0	0

Tenders for building Mr. Wyld's Globe House, Leicester-square. Mr. Abraham, architect. Quantities furnished:—

Holland	£3,386	0	0
T. Burton	3,281	0	0
Pollock and M'Lennan	3,190	0	0
W. Higgs	3,187	0	0
E. and R. Curtis	2,980	0	0
Myers	2,756	0	0

TO CORRESPONDENTS.

"*Tiling*."—"W. K." says,—"In an exposed situation, a roof of 'half pitch' has been covered with round-end plain tiles bedded in mortar, but still it is not weather-tight. It is a custom in many parts of the country to lay the tiles upon straw without mortar; some have been bedded in lime and hair, and some in common mortar. The gauge, that is, the tiles, show on the face 4 inches. The builders in the country recommend straw only. Can any of your readers enlighten me upon this subject, as I am anxious to know the best method of laying plain tiles irrespective of cost."

"*Boston Markets*."—In reply to two inquirers, the architect to whom the plans were referred has made his report, but we are not yet in possession of the decision of the corporation.

"J. L.," "M.," "C. M.," "O. P.," "W. H.," "W. T.," "A Magistrate," "Three Freeschmen," "T. N.," "C. B." (under our mark), "C. B.," Stangate (declined with thanks), "G. G." (shall appear), "E. B.," "J. T." (pray let us have conclusion), "T. H.," "Elias de Durham," "R. B." (has been forwarded), "Mr. F.," "A. and T.," "T. F. and T.," "J. R. D.," "H. B.," "G. O. S.," "Liverpool," "Dun Edin" (the answer was to another query, accidentally misplaced), "A. M. F.," "P. W." (shall be attended to), "E.," "Subscriber," Shrewsbury (the number can be had in the part for November, but not singly. We must decline giving an opinion as to the glass), "A Builder" (we described various modes of making concrete floors some time ago, and cannot repeat. The salts in question would be useless), "T. S. R.," "M P.," "O. C. T.," "W. M. R.," "T. S. E.," "Outline Sketches of Bruges," by E. S Cole. S. Ball. "The Stones of Venice, by John Ruskin. Smith and Elder.

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ADVERTISEMENTS.

ROYAL POLYTECHNIC INSTITUTION.—Lectures on the Culture and Appliances of Flax, by Thos. Poole Bowring, Esq., on Wednesday and Saturday, at Two o'clock.—Lecture on the Preparation and Bleaching of Flax, by J. H. Pepper, Esq.—Lecture on the Chemistry of Ignition and Combustion.—Lecture by Dr. Bachhoffner on Voltaic Electricity, in which will be exhibited Albanesi's Volcanic Electric Light.—Lectures on the Music of Wales, by Ellis Roberts, Esq. (Harpist to H. R. H. the Prince of Wales), with Vocal Illustrations by Miss Blanche Lennox, R.A. of Music, on Monday, Tuesday, Thursday, and Friday Evenings at Eight, and on Saturday at Three.—The celebrated Juvenile Harpists (the Lockwood Family) will perform Trios, under the direction of Mr. Frederick Chatterton, daily at Four o'clock.—Exhibition of the Oxy-Hydrogen Microscope.—New Series of Dissolving Views, illustrating some of the Royal Residences of Europe.—Admission, 1s.; children, half-price.—Open daily from Eleven till Five o'clock, and every evening (except Saturday) from Seven till Half-past Ten.

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